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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 02	LMEDLINE coverage updated
NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/CAPplus enhanced with utility model patents from China
NEWS	6	JUL 16	CAPplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/CAPplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
NEWS	10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	12	AUG 13	CA/CAPplus enhanced with additional kind codes for granted patents
NEWS	13	AUG 20	CA/CAPplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/CAPplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	CAPplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/CAPplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS EXPRESS	19	SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.	
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NEWS IPC8	For general information regarding STN implementation of IPC 8		

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=> FIL CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.05	1.05

FILE 'CAPLUS' ENTERED AT 18:22:24 ON 18 NOV 2007

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FILE COVERS 1907 - 18 Nov 2007 VOL 147 ISS 22

FILE LAST UPDATED: 16 Nov 2007 (20071116/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> E GLYCERALDEHYDE W ACETONIDE

E1	2	GLYCERALDEHYD/BI
E2	15095	GLYCERALDEHYDE/BI
E3	0 -->	GLYCERALDEHYDE W ACETONIDE/BI
E4	3	GLYCERALDEHYDE3/BI
E5	1	GLYCERALDEHYDE3PHOATE/BI
E6	2	GLYCERALDEHYDE3PHOSPHATE/BI
E7	1	GLYCERALDEHYDE93PHOSPHATE/BI
E8	2	GLYCERALDEHYDEACETAL/BI
E9	2	GLYCERALDEHYDEACETONIDE/BI
E10	1	GLYCERALDEHYDEANIL/BI
E11	1	GLYCERALDEHYDEARYL/BI
E12	1	GLYCERALDEHYDEDEPHOSPHATE/BI

=> S GLYCERALDEHYDE ACETONIDE

15095 GLYCERALDEHYDE

124 GLYCERALDEHYDES

15153 GLYCERALDEHYDE

(GLYCERALDEHYDE OR GLYCERALDEHYDES)

5407 ACETONIDE

```

      354 ACETONIDES
      5554 ACETONIDE
            (ACETONIDE OR ACETONIDES)
L1      231 GLYCERALDEHYDE ACETONIDE
            (GLYCERALDEHYDE (W) ACETONIDE)

=> S GLYCERALDEHYDE ACETONIDE
      15095 GLYCERALDEHYDE
      124 GLYCERALDEHYDES
      15153 GLYCERALDEHYDE
            (GLYCERALDEHYDE OR GLYCERALDEHYDES)
      5407 ACETONIDE
      354 ACETONIDES
      5554 ACETONIDE
            (ACETONIDE OR ACETONIDES)
L2      231 GLYCERALDEHYDE ACETONIDE
            (GLYCERALDEHYDE (W) ACETONIDE)

=> S L2/PREP
      0 GLYCERALDEHYDE ACETONIDE/CT
      4491337 PREP/RL
L3      0 (GLYCERALDEHYDE ACETONIDE/PREP)
            (GLYCERALDEHYDE ACETONIDE/CT (L) PREP/RL)

=> S L2 AND PREPARATION
      1561140 PREPARATION
      81134 PREPARATIONS
      1638018 PREPARATION
            (PREPARATION OR PREPARATIONS)
      2860131 PREPN
      211390 PREPNS
      3019348 PREPN
            (PREPN OR PREPNS)
      3874887 PREPARATION
            (PREPARATION OR PREPN)
L4      199 L2 AND PREPARATION

=> S L4 AND (?THREONIC? W ACID)
      353 ?THREONIC?
      420115 W
      4477714 ACID
      1601200 ACIDS
      4982630 ACID
            (ACID OR ACIDS)
      0 ?THREONIC? W ACID
            (?THREONIC? (W) W (W) ACID)
L5      0 L4 AND (?THREONIC? W ACID)

=> S L4 AND (?THREONIC?)
      353 ?THREONIC?
L6      2 L4 AND (?THREONIC?)

=> D IBIB ABS HITSTR 1-2

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2005:371247 CAPLUS Full-text
DOCUMENT NUMBER: 142:430488
TITLE: Process for the preparation of (S)-
glyceraldehyde acetone from
L-ascorbic acid via oxidative bond cleavage and

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removal of excess H2O2 by catalase

INVENTOR(S): Quaedflieg, Peter Jan Leonard Mario; Lommen, Franciscus Alphons Marie; Vijn, Robert Jan; Boxtel Van Dannieel, Adrianus Franciscus Jacobus

PATENT ASSIGNEE(S): DSM Ip Assets B.V., Neth.

SOURCE: PCT Int. Appl., 16 pp.  
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005037819	A1	20050428	WO 2004-EP11343	20041007
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2541491	A1	20050428	CA 2004-2541491	20041007
EP 1673364	A1	20060628	EP 2004-790256	20041007
EP 1673364	B1	20070822		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
CN 1863787	A	20061115	CN 2004-80029141	20041007
JP 2007507461	T	20070329	JP 2006-530134	20041007
AT 370940	T	20070915	AT 2004-790256	20041007
IN 2006DN01923	A	20070810	IN 2006-DN1923	20060407
US 2007073068	A1	20070329	US 2006-574693	20060706
PRIORITY APPLN. INFO.:			EP 2003-78130	A 20031007
			WO 2004-EP11343	W 20041007

OTHER SOURCE(S): CASREACT 142:430488

AB The invention relates to a process for the preparation of (S)- glyceraldehyde acetone in aqueous solution from 3,4-O-isopropylidene-L-threonic acid or a salt thereof in aqueous solution, and hypochlorite in aqueous solution wherein the aqueous hypochlorite solution has a pH > 7.5 and wherein during addition of at least 0.1 molar equivalents of hypochlorite based on the amount of 3,4-O-isopropylidene-L- threonic acid, an acid solution is not simultaneously added. The invention also relates to a process according to the invention, wherein 3,4-O-isopropylidene-L-threonic acid or a salt thereof is prepared from 5,6-O-isopropylidene-L-ascorbic acid or a salt thereof in the presence of H2O2 and a base in a manner known per se, wherein excess H2O2 is optionally removed by catalase. The invention also relates to a process according to the invention, wherein 5,6-O-isopropylidene-L- ascorbic acid or a salt thereof is prepared by reacting L-ascorbic acid or a salt thereof with an acetone forming agent, preferably in the presence of an acid catalyst.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

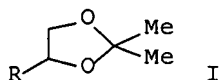
ACCESSION NUMBER: 1985:578573 CAPLUS Full-text

DOCUMENT NUMBER: 103:178573

TITLE: (S)-Glyceraldehyde acetone

INVENTOR(S): Mizuno, Yukio; Sugimoto, Keiichi  
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd. , Japan  
 SOURCE: Eur. Pat. Appl., 20 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 143973	A1	19850612	EP 1984-112807	19841024
EP 143973	B1	19880302		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 60094977	A	19850528	JP 1983-203145	19831028
JP 03067064	B	19911021		
AT 32718	T	19880315	AT 1984-112807	19841024
US 4567282	A	19860128	US 1984-665435	19841026
CA 1209580	A1	19860812	CA 1984-466360	19841026
CN 85101931	A	19870124	CN 1985-101931	19850401
CN 1014244	B	19911009		
PRIORITY APPLN. INFO.:			JP 1983-203145	A 19831028
			EP 1984-112807	A 19841024
OTHER SOURCE(S):			CASREACT 103:178573	
GI				



AB (S)-Glyceraldehyde acetonide (I, R = CHO, II) was prepared by treating isopropylidene-L-threonic acid (I, R = HO<sub>2</sub>CCHOH, III) or its salts with HOCl or ClO<sup>-</sup> in acid solution. Thus, III Ca salt was treated with NaOCl and HCl to give 60% I (R = CHO). II forms Schiff bases with primary amines which are treated with acid chlorides to give stereoselectively  $\beta$ -lactams which are useful in the preparation of antibiotics.

=> LOGOFF Y			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	31.53	32.58	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-1.56	-1.56	

STN INTERNATIONAL LOGOFF AT 18:27:09 ON 18 NOV 2007

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	139	549/464.CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57
L3	59	GLYCERALDEHYDE ADJ ACETONIDE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57
L4	1	L2 AND L3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:58
S1	2	ISOPROPYLIDEN\$4THREONIC AND (GLYCERALDEHYDE ADJ ACETONIDE)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57
S2	1	HYPOCHLORITE SAME ISOPROPYLIDEN\$4THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S3	2	HYPOCHLORITE AND ISOPROPYLIDEN\$4THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:06
S4	0	(ISOPROPYLIDENE ADJ ASCORBIC) AND ISOPROPYLIDEN\$4THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S5	105	(ISOPROPYLIDENE ADJ ASCORBIC)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S6	641171	OXIDATION	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07

## EAST Search History

S7	52	S5 AND S6	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S8	7748	ACETONIDE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S9	0	S7 AND S8	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:07
S10	0	ISOPROPYLIDEN\$4THREONIC AND (ISOPROPYLIDENE ADJ ASCORBIC)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S11	2	ISOPROPYLIDEN\$4THREONIC AND ASCORBIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:08
S12	2	S1 OR S3 OR S11	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S13	23285	GLYCERALDEHYDE ACETONIDE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S14	7304	S13 AND ASCORBIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S15	72	S14 AND THREONIC	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:10
S16	3	S15 AND CATALASE	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/11/18 18:57